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COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

TYPE OF DECLARATION

This declaration is of the following type:

- □ design
- □ supplemental
- □ national stage of PCT
- □ divisional
- □ continuation

INVENTORSHIP IDENTIFICATION

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

TITLE OF INVENTION

<u>``MUTANT FATTY ACID DESATURASE</u> AND METHODS FOR DIRECTED MUTAGENESIS''

SPECIFICATION IDENTIFICATION

the specification of which:

- (a) □ is attached hereto
- (b) was filed on _____ as Serial No. 0 / or was Express Mail No. ET826833462US, as Serial No. not yet known __on December 14, 2001.

(c)	was	described	and	claimed	in	PCT	Internat	cional
	Appl	lication No.						filed
	on _				_ and	l as	amended	under
	PCT	Article 19	on				•	

ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information of which I am aware which is material to patentability as defined in 37, Code of Federal Regulations, § 1.56 and which is material to the examination of this application, namely, information where there is a substantial likelihood that a reasonable examiner would consider it important in deciding whether to allow the application to issue as a patent.

PRIORITY CLAIM (35 U.S.C. § 119)

I hereby claim foreign priority benefits under Title 35, United States Code, § 119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

- (d) M no such applications have been filed.
- (e) □ such applications have been filed as follows.

A. PRIOR FOREIGN/PCT APPLICATION(S) FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS APPLICATION AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. § 119

Country (or indicate if PCT)	Application No.	Date of Filing (day, month, year)	Priority Claimed Under 37 USC 119
	-		□ Yes □ No
			□ Yes □ No
			□ Yes □ No
			□ Yes □ No
			□ Yes □ No

ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS

	(6 MONTHS FOR DESIGN) PRIOR TO	THIS U.S. APPLICATION
	POWER OF ATTOR	NEY
	I hereby appoint the following attection and transactected therewi	all business in the Patent
<u>Name</u>	and Registration No.	
	Margaret C. Bogosian Registration No. 25,324	Lori-Anne Mooney Registration No. 44,949
	Christine L. Brakel, Ph.D Registration No. 45,772	
SEND	CORRESPONDENCE TO Margaret C. Bogosian Patent Counsel Brookhaven National Laboratory Bldg. 475D P.O. Boy 5000	DIRECT TELEPHONE CALLS TO: Margaret C. Bogosian (631) 344-7338

Upton, NY 11973-5000

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

SIGNATURE (S)

Shanklin

Full name of sole or first inventor

_John		<u> Shanklin</u>
(Given Name)	(Middle	Initial or Name) / Family (or last name)
Inventor's	signature_	ALCH!
Date /2/	13/01	Country of Citizenship U.S.A.
Residence_S	Shoreham, N	ew York
Post Office	Address	4 Duchess Street
		Shoreham, New York 11786

CHECK PROPER BOX(ES) FOR ANY OF THE FOLLOWING ADDED PAGE(S) WHICH FORM A PART OF THIS DECLARATION

- Signature by administrator(trix), executor(trix) or legal representative for deceased or incapacitated inventor. Number of pages added
- Signature for inventor who refuses to sign or cannot be reached by person authorized under 37 CFR 1.47. Number of pages added
- Added page for signature by one joint inventor on behalf of deceased inventor(s) where legal representative cannot be appointed in time (37 CFR 1.47).
- Added pages to combined declaration and power of attorney \boxtimes for divisional, continuation or continuation-in-part (C-I-P) application.
 - Number of pages added <u>1</u>

□ Authorization of attorney(s) to accept and follow instructions from representative.

* * *

(If no further pages form a part of this Declaration, then end this Declaration with this page and check the following item:)

□ This declaration ends with this page.

ADDED PAGE TO COMBINED DECLARATION AND POWER OF ATTORNEY FOR DIVISIONAL, CONTINUATION OR CIP APPLICATION

CLAIM FOR BENEFIT OF EARLIER U.S. APPLICATION(S) UNDER 35 U.S.C. 120

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information of which I am aware that is material to the examination of this application, namely, information where there is substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent, which occurred between the filing date of the prior application(s) and the filing date of this application.

PRIOR U.S. APPL	CATIONS FOR BEN	EFIT UNDER	35 USC 12	0:
U.S. APPL	CATIONS		ST	ATUS
U.S. Applications	U.S. Filing Date	Patented	Pending	Abandoned
09/328,550	6/9/99		X	
09/233,856	1/19/99		X	
				·

Attorney's Docket No. BSA 02-04

Applicant(s): John Shanklin

For:

MUTANT FATTY ACID DESATURASE AND METHODS

FOR DIRECTED MUTAGENESIS

NAME OF ORGANIZATION Brookhaven Science Associates

DECLARATION CLAIMING SMALL ENTITY STATUS (37 CFR 1.9(f) and 1.27(d) - NONPROFIT ORGANIZATION

I hereby declare that I am an official empowered to act on behalf of the nonprofit organization identified below:

ADDRESS OF ORG	ANIZATION Upton, New York 11973
TYPE OF ORGANIZ	ZATION
	UNIVERSITY OR OTHER INSTITUTION OF HIGHER EDUCATION
_	TAX EXEMPT UNDER INTERNAL REVENUE SERVICE CODE (26 USC 501 (a) and 501 (c)(3)
<u>X</u>	NONPROFIT SCIENTIFIC OR EDUCATIONAL UNDER STATUTE OF STATE OF THE UNITED STATES OF AMERICA
	(NAME OF STATE Delaware (CITATION OF STATUTE Title 6, Chapter 18 Delaware Code)
	WOULD QUALIFY AS TAX EXEMPT UNDER INTERNAL REVENUE SERVICE CODE (26 USC 501 (a) and 501 (c)(3)) IF LOCATED IN THE UNITED STATES OF AMERICA
· <u></u>	WOULD QUALIFY AS NONPROFIT SCIENTIFIC OR EDUCATIONAL UNDER STATUTE OF STATE OF THE UNITED STATES OF AMERICA IF LOCATED IN THE UNITED STATES OF AMERICA
	(NAME OF STATE) (CITATION OF STATUTE)

I hereby declare that the nonprofit organization identified above qualifies as a nonprofit organization as defined in 37 CFR 1.9(e) for purposes of paying reduced fees under Section 41(a) and (b) of Title 35, United States Code with regard to the above-identified invention,

described in
x the specification filed herewith
application serial no, filed
patent no, issued
I hereby declare that rights under contract or law have been conveyed to and remain with the nonprofit organization with regard to the above-identified invention.
If the rights held by the nonprofit organization are not exclusive, each individual, concern or organization having rights to the invention is listed below and no rights to the invention are held by any person, other than the inventor, who could not qualify as a small business concern under 37 CFR 1.9(d) or by any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e).
The U.S. Government, as represented by the U.S. Department of Energy, has a license to the subject invention resulting from a funding agreement pursuant to 35 U.S.C. 202C(4), which license does not preclude the proper claiming of small entity status (M.P.E.P. Section 509.02, "Rights Held by Government Organization").
I acknowledge the duty to file, in this application or patent, notification of any charge in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate [37 CFR 1.28(b)].
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.
NAME OF PERSON SIGNING MARGARET C. BOGOSIAN
TITLE IN ORGANIZATION PATENT COUNSEL

DATE (2/14/0)